



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

April 13, 2017

Mr. Dave Shelow & Ms Fran Verhalen
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive, Mail Code: C304-06
RTP, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow & Ms Fran Verhalen,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 03/31/17 11:19 through 04/06/17 10:37.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 **FAX:** -

FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
Acorn and Hwy 44	7033101-01	Air	03/30/17 13:31	03/31/17 11:19
238 Chad Baker	7033101-02	Air	03/30/17 13:41	03/31/17 11:19
East St. John the Baptist Hig	7033101-03	Air	03/30/17 13:14	03/31/17 11:19
East St. John the Baptist Hig	7033101-04	Air	03/30/17 13:14	03/31/17 11:19
Fifth Ward Elementary Schoo	7033101-05	Air	03/30/17 13:39	03/31/17 11:19
Ochsner Hospital	7033101-06	Air	03/30/17 13:20	03/31/17 11:19
Levee	7033101-07	Air	03/30/17 13:35	03/31/17 11:19
Fifth Ward Elementary Schoo	7040409-01	Air	04/02/17 11:04	04/04/17 10:30
Ochsner Hospital	7040409-02	Air	04/02/17 10:47	04/04/17 10:30
Acorn and Hwy 44	7040409-03	Air	04/02/17 10:54	04/04/17 10:30
Levee	7040409-04	Air	04/02/17 10:59	04/04/17 10:30
238 Chad Baker C1	7040409-05	Air	04/02/17 11:09	04/04/17 10:30
238 Chad Baker C2	7040409-06	Air	04/02/17 11:09	04/04/17 10:30
East St. John the Baptist Hig	7040409-07	Air	04/02/17 10:40	04/04/17 10:30
East St. John the Baptist Hig	7040609-01	Air	04/05/17 12:48	04/06/17 10:37
East St. John the Baptist Hig	7040609-02	Air	04/05/17 12:48	04/06/17 10:37
238 Chad Baker	7040609-03	Air	04/05/17 13:24	04/06/17 10:37
Fifth Ward Elementary Schoo	7040609-04	Air	04/05/17 13:18	04/06/17 10:37
Ochsner Hospital	7040609-05	Air	04/05/17 12:58	04/06/17 10:37
Acorn and Hwy 44	7040609-06	Air	04/05/17 13:08	04/06/17 10:37
Levee	7040609-07	Air	04/05/17 13:14	04/06/17 10:37

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7033101-01

Sampled: 03/30/17 13:31

Pressure @ Receipt: 10.00" Hg

Canister #: 5051

Received: 03/31/17 11:19

Comments: PR-12 Start 13:21 3/29/17

Analyzed: 04/03/17 18:15

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.243	0.88		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7033101-02

Sampled: 03/30/17 13:41

Pressure @ Receipt: 7.00" Hg

Canister #: SAT002

Received: 03/31/17 11:19

Comments: PR-10 Start 13:31 3/29/17

Analyzed: 04/03/17 19:17

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.736	2.67		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7033101-03

Sampled: 03/30/17 13:14

Pressure @ Receipt: 7.00" Hg

Canister #: SAT133

Received: 03/31/17 11:19

Comments: Col 1 PR-2 Start 13:07 3/29/17

Analyzed: 04/03/17 20:19

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.733	2.66		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7033101-04

Sampled: 03/30/17 13:14

Pressure @ Receipt: 8.50" Hg

Canister #: SAT170

Received: 03/31/17 11:19

Comments: Col 2 PR-4 Start 13:07 3/29/17

Analyzed: 04/03/17 21:21

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.738	2.68		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7033101-05

Sampled: 03/30/17 13:39

Pressure @ Receipt: 7.00" Hg

Canister #: 19280

Received: 03/31/17 11:19

Comments: PR-24 Start 13:28 3/29/17

Analyzed: 04/04/17 00:27

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.078	0.28		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7033101-06

Sampled: 03/30/17 13:20

Pressure @ Receipt: 8.50" Hg

Canister #: SAT099

Received: 03/31/17 11:19

Comments: PR-18 Start 13:12 3/29/17

Analyzed: 04/04/17 01:29

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.737	2.67		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7033101-07

Sampled: 03/30/17 13:35

Pressure @ Receipt: 8.50" Hg

Canister #: 5091

Received: 03/31/17 11:19

Comments: PR-23 Start 13:24 3/29/17

Analyzed: 04/04/17 02:31

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.112	0.41		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7040409-01

Sampled: 04/02/17 11:04

Pressure @ Receipt: 8.50" Hg

Canister #: 19655

Received: 04/04/17 10:30

Comments: PR-4 Start 10:36 4/1/17

Analyzed: 04/06/17 16:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.012	0.04	U	0.020



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REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7040409-02

Sampled: 04/02/17 10:47

Pressure @ Receipt: 8.00" Hg

Canister #: 19656

Received: 04/04/17 10:30

Comments: PR-18 Start 10:22 4/1/17

Analyzed: 04/06/17 17:39

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7040409-03

Sampled: 04/02/17 10:54

Pressure @ Receipt: 10.00" Hg

Canister #: 5005

Received: 04/04/17 10:30

Comments: PR-12 Start 10:30 4/1/17

Analyzed: 04/06/17 18:41

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7040409-04

Sampled: 04/02/17 10:59

Pressure @ Receipt: 7.00" Hg

Canister #: A21069

Received: 04/04/17 10:30

Comments: PR-10 Start 10:33 4/1/17

Analyzed: 04/06/17 19:44

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker C1

Lab ID: 7040409-05

Sampled: 04/02/17 11:09

Pressure @ Receipt: 7.00" Hg

Canister #: A21086

Received: 04/04/17 10:30

Comments: Col 1 PR-24 Start 10:40 4/1/17

Analyzed: 04/06/17 20:46

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.35	4.90		0.020



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REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker C2

Lab ID: 7040409-06

Sampled: 04/02/17 11:09

Pressure @ Receipt: 7.50" Hg

Canister #: 5050

Received: 04/04/17 10:30

Comments: Col 2 PR-2 Start 10:40 4/1/17

Analyzed: 04/06/17 21:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.40	5.08		0.020



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PHONE: (919) 541-3776 FAX: -

FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7040409-07

Sampled: 04/02/17 10:40

Pressure @ Receipt: 8.00" Hg

Canister #: 5113

Received: 04/04/17 10:30

Comments: PR-23 Start 10:19 4/1/17

Analyzed: 04/07/17 00:56

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7040609-01

Sampled: 04/05/17 12:48

Pressure @ Receipt: 9.50" Hg

Canister #: SAT165

Received: 04/06/17 10:37

Comments: Col 1 PR-12 Start 12:39 4/4/17

Analyzed: 04/07/17 01:59

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.058	0.21		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7040609-02

Sampled: 04/05/17 12:48

Pressure @ Receipt: 8.50" Hg

Canister #: SAT065

Received: 04/06/17 10:37

Comments: Col 2 PR-4 Start 12:39 4/4/17

Analyzed: 04/07/17 03:01

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.048	0.17		0.020



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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7040609-03

Sampled: 04/05/17 13:24

Pressure @ Receipt: 7.50" Hg

Canister #: SAT169

Received: 04/06/17 10:37

Comments: PR-23 Start 13:10 4/4/17

Analyzed: 04/07/17 06:09

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.092	0.33		0.020



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REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7040609-04

Sampled: 04/05/17 13:18

Pressure @ Receipt: 9.00" Hg

Canister #: 5084

Received: 04/06/17 10:37

Comments: PR-18 Start 13:05 4/4/17

Analyzed: 04/07/17 07:12

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



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SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7040609-05

Sampled: 04/05/17 12:58

Pressure @ Receipt: 7.50" Hg

Canister #: SAT166

Received: 04/06/17 10:37

Comments: PR-10 Start 12:50 4/4/17

Analyzed: 04/07/17 08:14

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	1.03	3.74		0.020



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REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7040609-06

Sampled: 04/05/17 13:08

Pressure @ Receipt: 7.50" Hg

Canister #: 5004

Received: 04/06/17 10:37

Comments: PR-2 Start 12:58 4/4/17

Analyzed: 04/07/17 09:16

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.201	0.73		0.020



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109 T.W. Alexander Drive, Mail Code: C304-C

RTP, NC 27709

ATTN: Mr. Dave Shelow & Ms Fran Verhalen

PHONE: (919) 541-3776 FAX: -

FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7040609-07

Sampled: 04/05/17 13:14

Pressure @ Receipt: 7.00" Hg

Canister #: 5147

Received: 04/06/17 10:37

Comments: PR-24 Start 13:02 4/4/17

Analyzed: 04/07/17 10:19

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.020



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

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AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B7D0303 - Summa Canister Prep

Blank (B7D0303-BLK1)

Prepared: 03/27/17 Analyzed: 04/03/17

Chloroprene	ND	ppbv				U
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Duplicate (B7D0303-DUP1)

Source: 7033101-03 Prepared: 03/30/17 Analyzed: 04/03/17

Chloroprene	0.754	ppbv	0.73	2.76	25	
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Duplicate (B7D0303-DUP2)

Source: 7033101-04 Prepared: 03/30/17 Analyzed: 04/03/17

Chloroprene	0.760	ppbv	0.74	2.91	25	
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Batch B7D0606 - Summa Canister Prep

Blank (B7D0606-BLK1)

Prepared: 04/03/17 Analyzed: 04/06/17

Chloroprene	ND	ppbv				U
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Duplicate (B7D0606-DUP1)

Source: 7040409-05 Prepared: 04/02/17 Analyzed: 04/06/17

Chloroprene	1.36	ppbv	1.35	0.590	25	
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Duplicate (B7D0606-DUP2)

Source: 7040409-06 Prepared: 04/02/17 Analyzed: 04/06/17

Chloroprene	1.41	ppbv	1.40	0.727	25	
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Duplicate (B7D0606-DUP3)

Source: 7040609-01 Prepared: 04/05/17 Analyzed: 04/07/17

Chloroprene	0.059	ppbv	0.06	2.56	25	
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Duplicate (B7D0606-DUP4)

Source: 7040609-02 Prepared: 04/05/17 Analyzed: 04/07/17

Chloroprene	0.051	ppbv	0.05	6.29	25	
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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1704004

Calibration Check (1704004-CCV1)

Prepared & Analyzed: 04/03/17

Chloroprene	2.49	ppbv	-0.3	30.00
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Sequence 1704015

Calibration Check (1704015-CCV1)

Prepared & Analyzed: 04/06/17

Chloroprene	2.33	ppbv	-7.0	30.00
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FILE #: 0344.00

REPORTED: 04/13/17 14:54

SUBMITTED: 03/31/17 to 04/06/17

AQS SITE CODE:

SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trichlorofluoromethane, and trichlorotrifluoroethane.